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कपड़े धोने के प्रयोजनों के लिए साबुन जेली  
— विशिष्टि  
(पहला पुनरीक्षण)

Soap Jelly for Laundry Purposes —  
Specification  
(First Revision)

ICS 71.100.40

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## FOREWORD

This Indian Standard (First Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Soaps and Other Surface Active Agents Sectional Committee had been approved by the Chemical Division Council.

Indian standard specifications for toilet soap, laundry soap, liquid toilet soap and soft soap were in existence for long time. The soap technology has advanced so much that today soaps can be produced and formulated from any type of vegetable oil, and fat, conventional or non-conventional, available to the industry.

Soap jelly is distinguished from ordinary laundry soap by its soap, jelly like texture and is primarily used for laundry purposes.

This standard was originally published in 1984. This revision has been taken up in order to bring out the standard in latest style and format of the Indian Standards. The relevant clauses have been added and the references have been updated.

The composition of the committee responsible for the formulation of this standard is given in Annex A.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value observed or calculated, expressing the result of a test or analysis shall be rounded off in accordance with IS 2 : 2022 'Rules for rounding off numerical values (*second revision*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

*Indian Standard***SOAP JELLY FOR LAUNDRY PURPOSES — SPECIFICATION***(First Revision)***1 SCOPE**

This standard prescribes requirements and methods of sampling and test for soap jelly for laundry purposes.

**2 REFERENCES**

The standards listed below contain provisions which through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below:

<i>IS No.</i>	<i>Title</i>
286 : 2018	Methods of sampling and test for soaps ( <i>third revision</i> )
1070 : 1992	Reagent grade water — Specification ( <i>third revision</i> )

**3 TERMINOLOGY**

For the purpose of this standard, the definitions given in **3** of IS 286 shall apply.

**4 REQUIREMENTS****4.1 Description**

Soap jelly shall consist of an aqueous mass of potassium or sodium soap made from fatty oils, conventional or non-conventional fatty acids and their mixtures. It shall be free from any gritty feel.

**4.2** The material shall quickly dissolve and form a satisfactory lather in water.

**4.3** The material shall remain a homogenous mass when kept at 32°C and shall show no sign of separation. It shall not show any sign of deterioration on storage in original pack under normal conditions.

**4.4** The material shall have no disagreeable odour.

**4.5** No liquid shall separate when the material is maintained at a temperature of 0°C for a period of 24 h.

**4.6** Soap jelly shall also comply with the requirements specified in Table 1.

**Table 1 Requirements for Soap Jelly***(Clause 4.6)*

Sl No.	Characteristics	Requirement	Method of test, Ref to
(1)	(2)	(3)	(4)
i)	Total fatty matter, percent by mass, <i>Min</i>	15.0	IS 286
ii)	Matter insoluble in water, percent by mass, <i>Max</i>	1.5	IS 286
iii)	Free caustic alkali, as sodium hydroxide (NaOH), percent by mass, <i>Max</i>	0.1	IS 286

**5 PACKING AND MARKING**

**5.1** The material shall be packed in suitable polyethylene lined cardboard boxes or tin containers or as agreed to between the purchaser and the supplier.

**5.2 Marking**

**5.2.1** The packages shall be securely closed and marked with the following:

- Name and address of manufacturer;
- Brand name of the material and/or recognized Trade-mark, if any;
- Year and month of manufacture;
- Net mass when packed; and
- Batch No. or lot No. in code or otherwise.

**5.2.2 BIS Certification Marking**

The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the *Bureau of Indian Standards Act, 2016* and the Rules and Regulations framed thereunder, and the products may be marked with the Standard Mark.

**6 SAMPLING**

**6.1** For this purpose general precautions, scale of sampling and preparation of test

samples shall be as prescribed in **4.1**, **4.2** and **4.3**, respectively of IS 286.

**6.2 Number of Tests**

**6.2.1** Tests for the determination of total fatty matter and free caustic alkali shall be conducted on each of the individual samples separately.

**6.2.2** Test for the determination of matter insoluble in water shall be conducted on the composite sample.

**6.3 Criteria for Conformity**

**6.3.1 For Individual Samples** — For each of the characteristics which have been determined on the individual samples (*see 6.2.1*) the mean ( $\bar{X}$ ) and the range ( $R$ ) of the test results shall be calculated as follows:

$$\text{Mean } (\bar{X}) = \frac{\text{The sum of test results}}{\text{Number of test results}}$$

where

$$\text{Range } (R) = \text{The difference between the maximum and the minimum of test results.}$$

The lot shall be deemed as conforming to the requirements if the expression  $(\bar{X} - 0.4$

$R$ ) is greater than or equal to maximum value given in Table 1 and  $(\bar{X} + 0.4 R)$  is less than or equal to maximum value given in Table 1.

**6.3.2 For Composite Sample** — For declaring the conformity of the lot to the requirements of other characteristics determined on the composite sample, the test results for each of the characteristics shall satisfy the relevant requirements.

## 7 TEST METHODS

**7.1** Tests shall be conducted as prescribed in IS 286. Reference to the standard is given in col 4 of Table 1.

### 7.2 Quality of Reagents

Unless specified otherwise, pure chemicals and distilled water (*see* IS 1070), shall be employed in tests.

NOTE — ‘Pure chemicals’ shall mean chemicals that do not contain impurities which affect the results of analysis.

**Annex A**

( Foreword )

**COMMITTEE COMPOSITION**

Soaps and Other Surface Active Agents Sectional Committee, CHD 25

<i>Organization</i>	<i>Representative(s)</i>
Harcourt Butler Technological University, Kanpur	PROF RAKESH TRIVEDI ( <b><i>Chairperson</i></b> )
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*Member Secretary*  
PUJA PRIYA  
Scientist 'C' (CHD), BIS



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### Amendments Issued Since Publication

Amend No.	Date of Issue	Text Affected

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